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OXC-0888-67  
Copy 4 of 9

27 June 1967

**MEMORANDUM FOR: Comptroller, OSA**

**SUBJECT: Special BLACK SHIELD Engineering and Test Support for YJ58 Engines**

1. In view of the current OXCART BLACK SHIELD deployment and potential flight service problems that could arise, a requirement exists for continuing a YJ model engine in the J58 engine test program at Pratt & Whitney's Florida Research and Development Center, at least through the end of Calendar Year 1967.

2. The main fuel control compressor, aerodynamic and mechanical design, basic rotating hardware in the turbine, and the afterburner nozzle include areas which are unique to the YJ version of the J58 engine. If problems should develop in any of these areas, they cannot be solved by testing fixes on the 34K version of the J58 engine. In order to maintain a high level of reliability of these prototype YJ engines in the OXCART program, it is requested that funds be made available to continue a YJ engine in the J58 engine test program through December 1967. As indicated in the attached memo, Pratt & Whitney has estimated the required funding for a 6 month effort at [REDACTED]. The attached memo also provides additional information on this subject.

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SIGNED

[REDACTED]  
PBD/END/OSA

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Attachment -  
As stated above



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